

Recombinant Human L-FABP/FABP1 Protein (His Tag)

Catalog No. PKSH030853

Note: Centrifuge before opening to ensure complete recovery of vial contents.

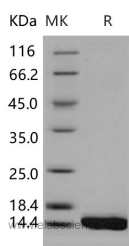
Description

Synonyms	Fatty Acid-Binding Protein Liver; Fatty Acid-Binding Protein 1; Liver-Type Fatty Acid-Binding Protein; L-FABP; FABP1; FABPL
Species	Human
Expression Host	E.coli
Sequence	Ser 2-Ile 127
Accession	NP_001434.1
Calculated Molecular Weight	15.6 kDa
Observed molecular weight	15 kDa
Tag	N-His

Properties

Purity	> 97 % as determined by reducing SDS-PAGE.
Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 8.3
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

Fatty acid-binding protein, liver, also known as Fatty acid-binding protein 1, Liver-type fatty acid-binding protein, FABP1 and FABPL, is a cytoplasm protein which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP1 and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. FABP1 / FABPL binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. It

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forms a beta-barrel structure that accommodates hydrophobic ligands in its interior. FABP1 / FABPL may be involved in intracellular lipid transport.